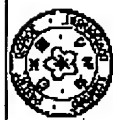




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(71) Applicant: SHARP CORP
 (72) Inventor: ARAKI MAKOTO

(54) METHOD OF DETECTING SHORT CIRCUIT OF
 LOAD AND SAFETY PROTECTIVE SYSTEM

(57) Abstract:

PURPOSE: To accurately control the operation of a protective circuit by accurately judging both conditions even if the magnitudes of the currents flowing in a power line are close together between the ordinary operation state and short-circuit operation state, and besides there is dispersion in operation in a protective circuit for protecting load, corresponding to the current.

CONSTITUTION: This system detects that load 4 is in short-circuit condition when at least three load short-circuit elements that the magnitude of the current flowing in a power line 6 is not less than a certain value,

that the rise time to a certain current value is less than a certain time, and that the duration of the condition that the current at a certain current value or larger is flowing is not less than a certain time materializes at the same time.

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